



6V3-A

HALF-WAVE VACUUM RECTIFIER

9-PIN MINIATURE TYPE

For Television Damper Service

6V3-A

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage 6.3 ac or dc volts
Current 1.75 amp

Direct Interelectrode Capacitances (Approx.):^o

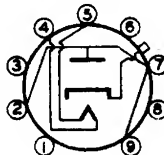
Heater to cathode 1.5 μ f
Plate to cathode and heater 8 μ f
Cathode to plate and heater 9 μ f

Mechanical:

Mounting Position Any
Maximum Overall Length 3-1/16"
Seated Length 2-21/32" $\pm$ 1/8"
Maximum Diameter 7/8"
Bulb T-6-1/2
Cap Skirted Miniature (JETEC No. C1-2 or C1-33)
Base Small-Button Noval 9-Pin (JETEC No. E9-1)
Basing Designation for BOTTOM VIEW 98D

Pin 1 - No Connection

Pin 2 - Plate
Pin 3 - Same as Pin 1
Pin 4 - Heater
Pin 5 - Heater



Pin 6 - Same as Pin 1

Pin 7 - Plate
Pin 8 - Same as Pin 1
Pin 9 - Plate
Cap - Cathode

DAMPER SERVICE

Maximum Ratings, Design-Center Values Except as Noted:

For operation in a 525-line, 30-frame system[□]

PEAK INVERSE PLATE VOLTAGE

(Absolute maximum)[#] 6000[■] max. volts

PEAK PLATE CURRENT 800 max. ma

DC PLATE CURRENT 135 max. ma

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode

(Absolute maximum)[#] 6750[■] max. volts

Heater positive with respect to cathode . 300[●] max. volts

^o Without external shield.

[□] As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations", Federal Communications Commission.

[#] This rating is applicable where the duty cycle of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.

[■] Under no circumstances should this absolute value be exceeded.

[▲] The dc component must not exceed 750 volts.

[●] The dc component must not exceed 100 volts.

MAY 1, 1955

TUBE DIVISION

TENTATIVE DATA

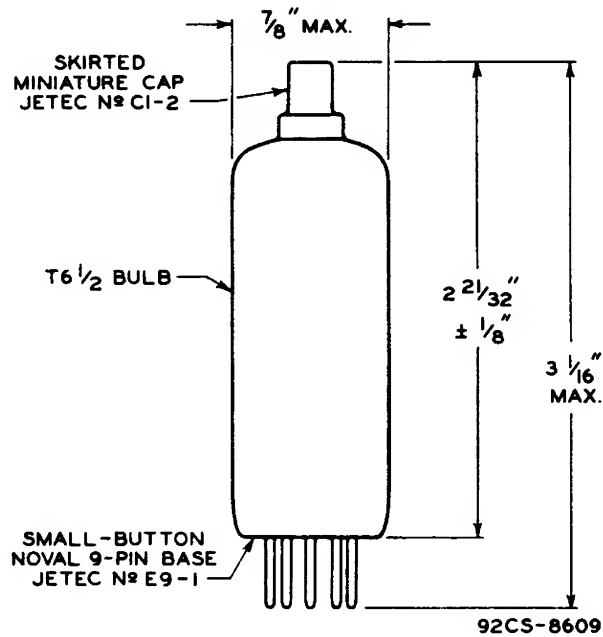
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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